

531, 435

Rec'd PCT/PTO 15 APR 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 April 2004 (29.04.2004)

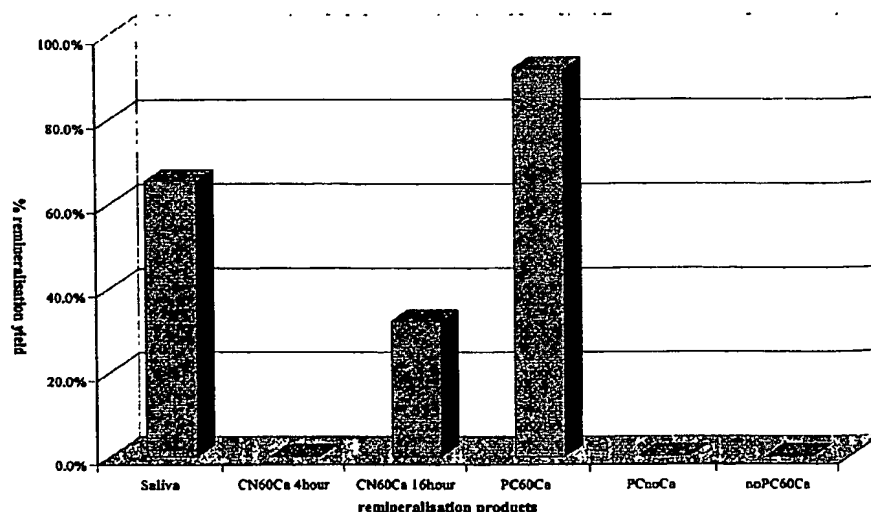
PCT

(10) International Publication Number
WO 2004/035077 A1

- (51) International Patent Classification⁷: **A61K 38/01**, 38/17, 6/00, A61P 19/08, 1/00
- (21) International Application Number: PCT/NZ2003/000232
- (22) International Filing Date: 20 October 2003 (20.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
522071 18 October 2002 (18.10.2002) NZ
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: PHOSPHOPROTEIN PREPARATIONS FOR BIOACTIVE METAL ION DELIVERY AND TEETH REMINERALISATION



(57) Abstract: The invention provides, in one aspect, compositions for delivering a bioactive metal ion to a mammal, the compositions comprising (a) an effective amount of a source of the bioactive metal ion, (b) a phosphoprotein preparation obtained by partially cross linking a partial hydrolysate of casein or a caseinate, and (c) one or more physiologically acceptable diluents or carriers. Also provided are compositions for remineralising tooth enamel and/or for treating or preventing dental caries, tooth erosion, dentinal hypersensitivity or gingivitis in a mammal, wherein the compositions comprise an effective amount of such a phosphoprotein preparation, in combination with one or more carriers or diluents. In related aspects, the invention provides methods of using such compositions. Also provided are novel phosphoprotein preparations suitable for use in such compositions and methods.

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